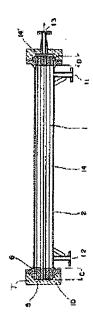# METHOD FOR SEALING END OF HOLLOW YARN MEMBRANE

Report a data error here

Abstract of JP63171607

PURPOSE:To prevent damaging of hollow yarn membranes by a hard sealing material, deformation of the soft sealing material and wicking in an upright casting method, by using the sealing material prepd. by incorporating a packing material having the sp. gr. larger than the sp. gr. of a liquid-base curable elastic material into said elastic material and centrifugally separating the packing material, thereby forming a hard layer.

CONSTITUTION:The hollow yarn membranes 1 are loaded into a pressure vessel body 2 and is fixed to potting case 3 provided with tapered construction T for forming end parts. Liquid silicone rubber contg. the packing material such as, for example, calcium carbonate, is poured as the sealing material into both ends and the case is rotated at an ordinary temp. to act centrifugal force on the rubber; further, the sealing material is heated up and cured. The potting case is disassembled after cooling and the ends are cut to open the ends of the hollow yarn membranes, by which the hard layers contg. the packing material 5 at a high ratio are formed in the open end parts of the hollow yarn membranes. Elastic material layer 6 consisting of soft silicone rubber or the like are further formed on the inside thereof. The hard layers prevent the deformation of the elastic material during pressurization and the elastic material layers prevent the damage of the hollow yarn membranes 1.

Data supplied from the *esp@cenet* database - Worldwide